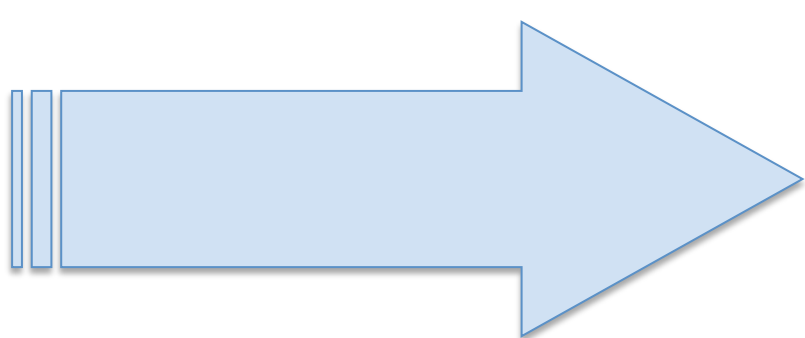


Jeanne Behnke, Dawn Lowe, Francis Lindsay, Chris Lynnes, Andrew Mitchell
NASA Goddard Space Flight Center

Guiding Principles for Partnership

- Established configuration of partners managed by a NASA Project: Earth Science Data and Information Systems Project at Goddard Space Flight Center
- Employ formal management processes; established approach for fiscal responsibility using
- De-centralize management authority. Partners manage themselves following NASA guidelines
- Continuous risk management across program
- Loosely coupled partnership, guided by a common purpose
- Use of standards to guide data structures and services
- Use Open Source to allow software sharing and provide a EOSDIS Code Collaboration site
- Enable collaboration through communicating through telecons, face-to-face meetings, robust Earthdata WIKI and the Earthdata Code Collaborative
- Use metrics to evaluate performance
- Collaborate on development of structural elements of the system, e.g. metadata model, user support services
- Promote usage and adoption of high-utility tools across all elements
- Foster and enable common user interfaces and experiences across the system
- Plan for continuous improvement

EOSDIS is greater than the sum of its parts.



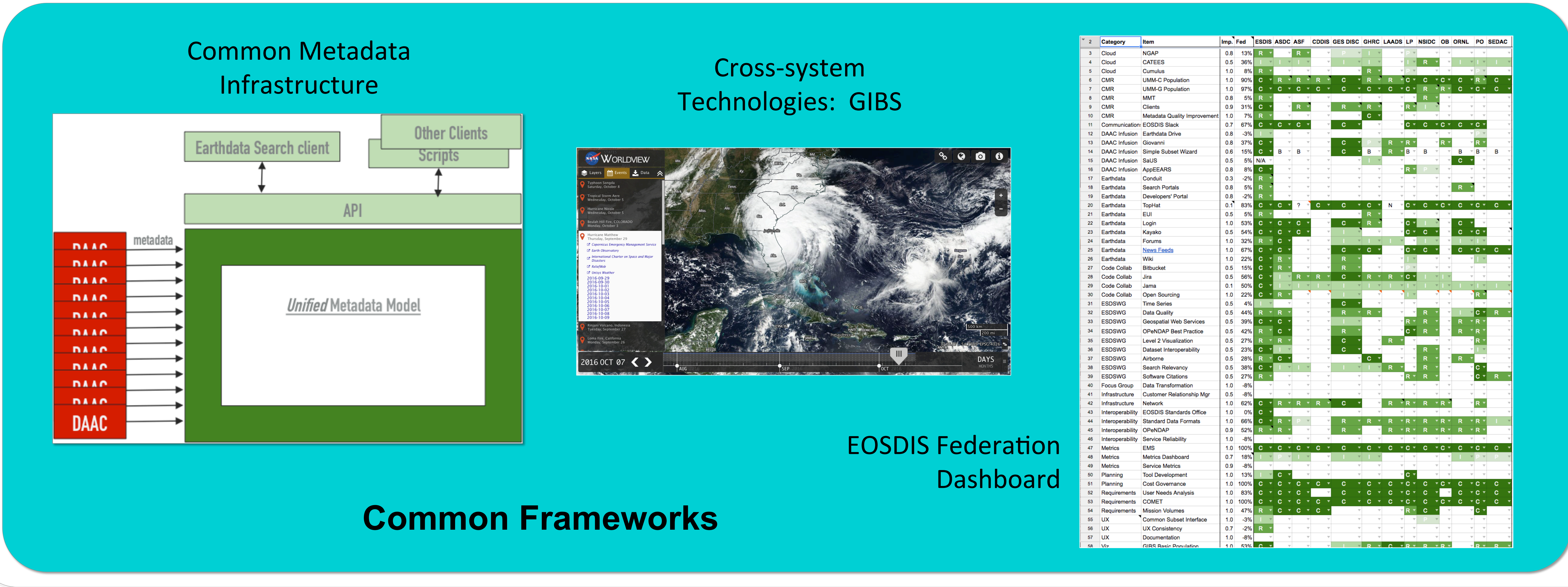
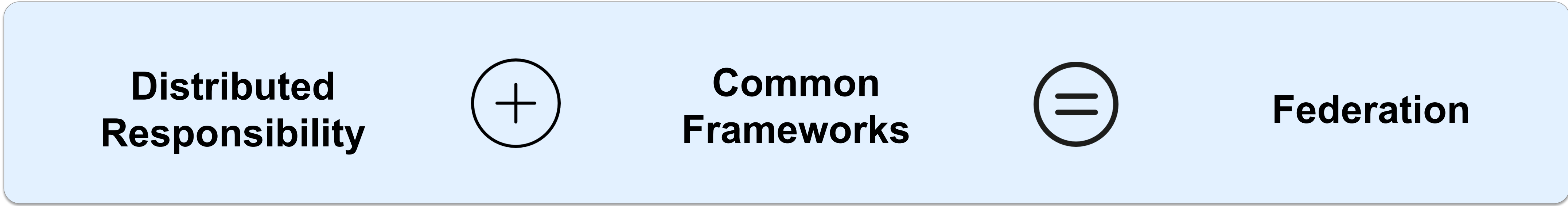
EODIS is developed and sustained by NASA through many partnerships, directly through contracts and indirectly through common interfaces and infrastructures. All components in the infrastructure have responsibility for some part of the whole.



Power of Partnerships

Partners	Collaboration	Super Power
Earth Observatory	Worldview Event Browser	Event database (Eonet)
Alaska Satellite Facility	Cloud storage prototypes	Cloud storage experience
NOAA, USGS	Big Earth Data Initiative	Common Framework for Earth Observation Data
GES DISC	Giovanni in the cloud	Web analysis platform with broad user base
J. Schnase	Climate Analytics as a Service	Earth science analytics expertise
International agencies	Common Metadata Repository collections	Metadata for >20,000 collections
OCIO Computer Services Service Organization	NASA-Compliant General Application Platform + cloud prototypes	NASA Authorization to Operate in Amazon cloud
European Space Agency	MERIS and Sentinel data distribution	Extended satellite coverage

Solution to Building Sustainable Data Infrastructures



NASA's Earth Observing System Data and Information System (EOSDIS)

- ❑ Has provided public access to NASA Earth Science data since the 1990s
- ❑ Delivered over 1.5 Billion data products to over 2.9 Million science users from around the world has over 17 Petabytes of Earth science data archived
- ❑ Provides data services for NASA and related missions from orbiting, airborne, field campaign and related investigations
- ❑ Has a robust stewardship program for maintaining NASA's data assets

The centralized entrance point to the NASA Earth Science data collection can be found at : <http://earthdata.nasa.gov>